(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau





(43) International Publication Date 21 October 2004 (21.10.2004)

PCT

(10) International Publication Number WO 2004/090135 A2

- (51) International Patent Classification7: C12N 15/19, 15/62, C07K 14/52, 19/00, A61K 38/19, 39/395, C07K 16/00
- (21) International Application Number:

PCT/GB2004/001572

- (22) International Filing Date: 7 April 2004 (07.04.2004)
- (25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0308088.4 0324235.1

9 April 2003 (09.04.2003) GB 16 October 2003 (16.10.2003)

- (71) Applicant (for all designated States except US): ASTER-ION LIMITED [GB/GB]; Firth Court, Sheffield S10 2TN (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ROSS, Richard [GB/GB]; Asterion Limited, Firth Court, Sheffield S10 2TN (GB). SAYERS, Jon [GB/GB]; Asterion Limited, Firth Court, Sheffield S10 2TN (GB). ARTYMIUK, Peter [GB/GB]; Asterion Limited, Firth Court, Sheffield S10 2TN (GB).

- (74) Agent: HARRISON GODDARD FOOTE; 31 St. Saviourgate, York YO1 8NQ (GB).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POLYPEPTIDES CONTAINING GLYCOSYLPHOSPHATIDYLINOSITOL

(57) Abstract: The invention relates to chimeric recombinant polypeptides, preferably therapeutic polypeptides, for example cytokines or antibodies, which are engineered to include a signal sequence for the attachment of glycosylphosphatidylinositol; cells expressing said polypeptides and methods to manufacture said polypeptides.